

# TUCSON

Product Guide



# The 4<sup>th</sup> generation Tucson poised to set new record

Based on innovative design and delivering value above and beyond its class, the all-new Tucson sets the standard for SUVs and is poised to set new sales records.



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Since its 2004 launch, Tucson achieved rapid global recognition and established itself as one of Hyundai's leading nameplates. Driven by the growing power of the Tucson brand name and its ability to consistently deliver outstanding practical value, Tucson is now entering the fourth generation and is poised to achieve 10 million units in cumulative global sales—marking a new record and a great leap forward for the Tucson brand.



1<sup>st</sup> Gen.



JM (2004)

2<sup>nd</sup> Gen.



LM (2009)

3<sup>rd</sup> Gen.



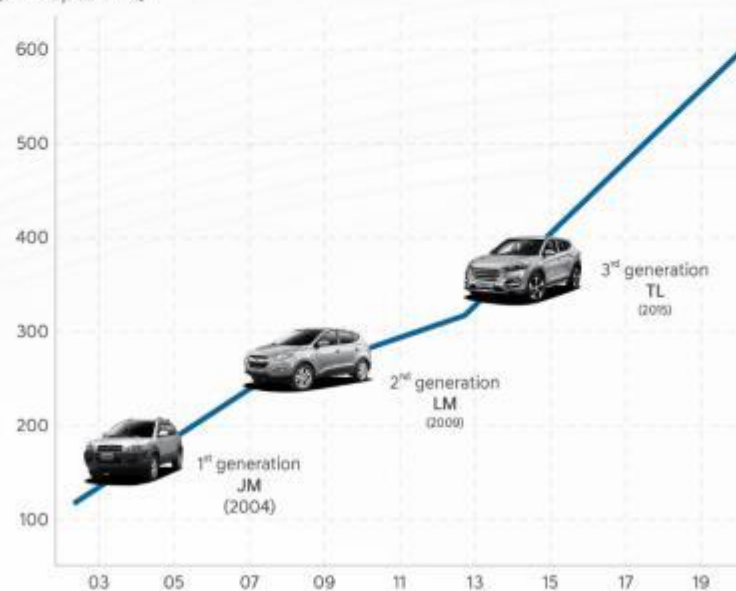
TL (2015)



- Total of 6 million sales
- 1<sup>st</sup> in global sales (2019)
- 1<sup>st</sup> in European sales (2016)

Global sales

(Unit :10,000 units)





## Strategic Direction

Decouple from past perceptions and create a new niche by making a direct appeal based on a unique set of practical values.



## Global Positioning

Innovative & Exciting



## Global Target

Life-tech Embracer . Young, confident millennials in their 30s who are quick to adopt trendy new technologies and who work hard for self-improvement and a better tomorrow.

## REASON TO BELIEVE



- **Mid-sized chassis/cabin space**
  - Longer overall length & wheelbase / ROH for revolutionary size increase
- **Incorporates numerous convenience features / highest safety specifications in its class, surpassing mid-sized vehicles**
  - ADAS / Infotainment
  - Leading the popularization of user experienced-based new technologies



- **Developed as the world's most dynamic SUV**
  - First SUV to apply "sensuous sportiness" concept
- **Exterior: Sporty, dynamic SUV concept**
- **Interior: Sense of openness in the front guided by forward-thinking design**



- **Equipped with next-generation powertrain through application of new TUCSON HEV platform**
  - 1<sup>st</sup> HEV to optimize both output & fuel efficiency
- **Pursuit of balanced comfort**
  - Harmonized, balanced driving performance
  - Feeling of stable, dynamic driving

## EXTERIOR DESIGN CONCEPT



## DYNAMISM

Noun 'dʌɪnəˌmɪz(ə)m'

From ancient Greek dunamis 'power' + -ism meaning the principle of exhibiting or following power, energy



- The quality of being dynamic, energetic
- The action of forces

## INTERIOR DESIGN CONCEPT

Sensuous forms &  
Rich volumeSophisticated Precision &  
Components details

Most competitive in its class with innovative sporty SUV style, interior space equal to mid-sized vehicles, new advanced safety and convenience specifications.



01



### High-tech design

- Sporty, innovative exterior design
- Premium cabin space with a high-tech image
- Inspired by premium SUVs above its class

02



### Spacious package

- Second-row and cargo space are roomier than typical C segment SUVs
- Range of convenience functions that improve loading convenience
- PHEV secures extra 2<sup>nd</sup> row legroom by installing the battery underneath the floor pan

03



### Best driving performance

- Applied new N3 platform and new powertrain
- HTRAC offers optimized driving performance (Terrain mode)
- Eco-friendly car line with outstanding fuel efficiency and excellent power performance: MHEV gasoline added (limited to Euro spec models)

04



### New advanced safety & convenience specs

- Hyundai SmartSense delivers advanced smart safety and convenience technologies
- Advanced infotainment system with greatly expanded connectivity features
- New AC system and various other new and advanced convenience features

01

First SUV to apply the Sensuous Sporty motif using high-tech, innovative design details that result in a sporty, futuristic SUV style.

Innovations include hidden position/ DRLs and DRLs integrated into the parametric radiator grille.

These innovative design details merge perfectly with the bold body that maximizes volume—the largest in its class—thereby perfecting Tucson's future-oriented image and sporty SUV style.



## Exterior Design

### Sporty, Innovative front image



- Parametric Hidden Signature Light
- DRL lamp integrated into parametric radiator grille
- Meticulous parametric pattern bumper

### Sporty SUV styling along the side view



- Sporty eye-catching chrome DLO molding
- Rear wheel arch has the largest volume in its class
- Side character line connects front and rear

### Iconic rear with a wide sense of proportion



- Magic hidden TAIL / STOP light
- Inside & center lamp integrated rear light
- Hyundai's first Rear Logo Garnish

01

Tucson's interior space maximizes comfort and delivers a high-tech experience with its open-style cluster and center fascia that integrates a high console design with a large AVN display.

A high-tech image is created with the open cluster, 10.25" AVN display, and electronic transmission button, while a premium interior space was created using ambient lights and silver accent lines.



## Interior Design

### Driver space with a high-tech image



- Open cluster and 10.25" AVN display
- Full-touch center fascia integrates the AVN display
- Classy, comfortable high console and electronic transmission button

### Premium and detailed design for both the interior and exterior



- 64-color user-adjustable ambient mood lighting
- Silver accent lines enhance sense of luxury and spaciousness
- Luxurious DLO (Day Light Opening) specification and hidden glass run



02

New N3 platform provides a cabin space that is larger and more comfortable than mid-sized vehicles.

By minimizing the front overhang and lengthening the wheelbase, Tucson offers the most second-row cabin space in its class as well as a competitive amount of cargo space. A number of newly added convenience functions improve loading convenience to further enhance practical value.



## Space

Exterior package surpasses typical C SUV competitors



- Longer overall length (4630mm)
- Wider width (1,865mm)
- Longer wheelbase (2,755mm)

27p

Largest second-row cabin space in its class, and large cargo area



- Largest second-row legroom in its class (1,050mm)
- Competitive cargo space (582ℓ/Diesel, VDA, 35.9 cu.ft./ SAE)
- Second-row space similar to PHEV - basic vehicle levels

28p

Newly added functions that improve loading convenience



- Folding seat
- Remote folding system
- Protruding grip handle

32p

03

All-new N3 platform and powertrain options combine driving fun and comfort to ensure the best driving performance in its class.

Customers who prioritize performance and fuel efficiency are offered a wide choice of powertrains. Newly applied HTRAC and Multi Terrain Control optimize driving performance over treacherous driving surfaces.



## Driving



New N3 platform



HTRAC



e-Handling



Expanded engine line-up



Multi Terrain Control



Active Air Flap (US only)

## 04

Hyundai SmartSense embraces a suite of Advanced Driver Assistance Systems that continue to grow in scope and capability with the new Tucson.

Existing functions such as Forward Collision-Avoidance Assistance and Driver Attention Warning have been strengthened, while a number of new advanced safety functions such as Parking Collision-Avoidance Assist have been added, to deliver an amazingly safer driving experience that is comparable to autonomous driving.



## Hyundai SmartSense



Forward Collision-Avoidance Assist



Safe Exit Warning



Blind-Spot View Monitor



Navigation-based Smart Cruise Control (US/CAN only)



Parking Collision-Avoidance Assist (US/CAN/AUS/RUS only)



Remote Smart Parking Assist (US/CAN/RUS only)



04

Featuring new technologies that are user experience-based and a highly advanced connectivity-based infotainment system, Tucson offers the most advanced specifications in its class.

Tucson delivers advanced new features and a level of performance that are unrivalled by any other vehicle in its class.

## Advanced New Technologies



Final Destination Information (Blue Link Required / US only)



Sound of nature



Voice recognition vehicle control (US/RUS only)



Customized power tailgate



Rear occupant alert



Multi Air Mode

Tucson marks the debut on the Sensuous Sportiness design language in a Hyundai SUV, achieving a forward-looking style with an unmatched high-tech sensibility.



DESIGN

Innovative front style that defines Sensuous Sportiness brings high-tech aesthetics to an SUV for the first time.



## Front Design Highlights



The integration of the parametric air shutter grille and the futuristic parametric hidden signature light into one unit represents a stunning high-tech design innovation. Modern aesthetics combine with the parametric patterns of the front bumper to create a dynamic, high-tech SUV style that is unique to Tucson.

- ① Parametric hidden signature light
- ② Parametric radiator grille
- ③ Parametric patterned front bumper

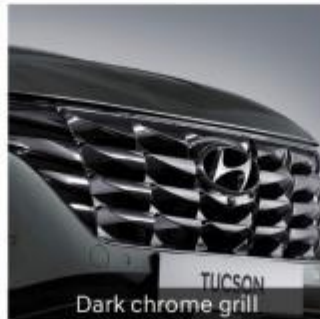
## Hidden Lighting DRLs



The hidden lighting DRL with a parametric jewel design looks like a parametric grill, and illuminates when activated, revealing the Tucson's unique appeal.



Silver grill



Dark chrome grill

### Parametric radiator grill

Creates a high-tech image with a new design that integrates DRLs and the radiator grille.



### Voluminous hood

The absence of hood lines creates a clean, elegant and voluminous long hood style.



Normal bumper



Chrome molding bumper

### Parametric front bumper

Parametric patterned lower bumper grille and the bumper chrome garnish reinforce the sporty, dynamic image unique to SUVs.

Bold character lines and voluminous rear wheel arches reinforce the sporty style.





## Side Design Highlights



**Bold, high-tech design details instantly create a sporty, dynamic impression.**

- ① DLO line flows from the side mirror to the C pillar
- ② C pillar's chrome character line
- ③ Rear wheel arch volume is largest in its class
- ④ "Z" side character line



### Eye-catching chrome DLO molding

Unique design appears longer than it is - maximizing luxuriousness and the sporty image.



Black embo



Silver

### Side-view mirror

Connecting side mirrors with the DLO chrome molding creates an energizing, classy image.



### Rear wheel arches

Dynamic SUV image is reinforced by endowing wheel arches with largest volume in its class and the angular side garnish design.

Maximized dynamic image with new wheels that employ parametric patterns.

Alloy Wheels

Section		17-inch wheel cover	17-inch (HEV)	17-inch	18-inch	19-inch
NEW TUCSON	Design					
	Color	XGM	AWA (Full processing)	XGM	AWA (Full processing)	R8A (Full processing)

※ A separate N-line 19-inch design wheel is also available.

Larger tire diameter

Enhanced practical value by increasing tire diameter.  
(Max tire: 703 → 741 (38mm↑))



Wide proportions and iconic rear light design reaffirm Tucson's high-tech image.



※ Car image is based on ICE of Korean version.

## Rear Design Highlights



Rear combination lights feature a new wide, iconic layout, and new Rear Logo Garnish combine to create a luxurious, high-tech rear image.

- ① Triangular hidden tail lights
- ② Inside & center lamp integrated rear combination light
- ③ Newly applied Rear Logo Garnish
- ④ Parametric pattern bumper with a meticulous design

## Hidden lighting tail lamp



Outer section features a triangular striped pattern adding a mysterious look with concealed lighting that creates a highly novel effect when activated.



## Parametric pattern bumper

Adopts a finely detailed parametric pattern and sporty garnish for a dynamic image.



## Rear Logo Garnish

A three-dimensional, non-protruding attachable logo garnish is applied below the rear glass to reinforce its luxurious image.



## Hidden wiper

Concealed wiper inside the wide spoiler adds simplicity yet reinforces the high-tech image.

### Parametric Hidden Signature Light

When stopped, the DRLs blend in with the parametric grill; when driving, the parametric jewel designed half-mirror DRLs turn on when activated to create a high-tech lighting signature that is unique to Tucson.

#### How to Implement Hidden Lighting

- Hidden lighting through metallic half-deposition.



#### Configuration of composite headlights



### Rear combination lamps

The layout is iconic and succeeds in creating the impression of a wide, high-tech rear.

- Application of triangular-shaped concealed lighting elements nicely harmonizes with the concealed DRLs in the front

Standard (Bulb)

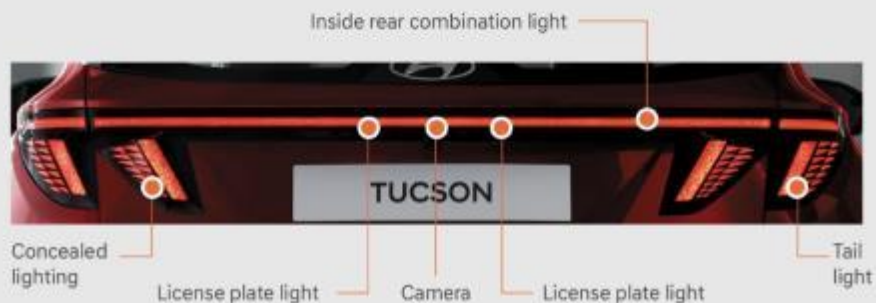


Optional (LED)



### Configuration of rear lights

Incorporates camera/license plate lighting module



### Integrated rear turn & backup & R/R



A forward-thinking interior design that emphasizes the experience of front openness and a highly evolved user interface.



**Interior Design Highlights**

The open-style cluster conveys a high-tech image while the silver accent line that runs along the crash pad from the AVN/AC module to the doors succeeds in creating a much more spacious appearance. The net effect of this emotional design is of a highly refined, forward-thinking indoor space that stimulates and gratifies the senses.

### Center fascia



The 10.25" display and full-touch center fascia includes an integrated A/C module that enhances user convenience while affirming Tucson's high-tech image.

World's first

- High-tech design integrates the AVN and A/C
- From the high console to the armrest, the flowing design has no gaps
- Full-touch center fascia (AVN, A/C)
- Improved driver convenience with high console format and switchgear grouping
- Driver-oriented center fascia angle



### Open cluster

10.25" open-type cluster eliminates the housing of legacy designs to attain superior openness and creating a high-tech image.



### Electronic transmission button (SBW)

Button-type gear selector is integrated into the center console for excellent usability and a high-tech image.





### Steering wheel

Offering a better grip and new switchgear design for improved convenience, the steering wheel design projects a feeling of luxury.



### Ambient mood light

The 64-color mood light is user adjustable to suit the occasion while storage compartment lighting achieves a more luxurious look while delivering practical benefits.

### Internal / External luxury



Crash pad silver accent



Door trim 1



Door trim 2

The silver accent line that connects the crash pad and door trim achieves a feeling of greater openness while intensifying Tucson's luxurious image.



Luxurious door frame molding & garnish



Hidden glass run

Luxurious DLO (Day Light Opening) specifications; concealed glass run helps achieve a flowing exterior appearance.

Longer overall length, increased wheelbase and lower roof line creates a sleeker profile and a slim, stable design.



895 (-15)

2,755 (+85)

980 (+80)

4,630 (+150)

1,865 (+15)

## Exterior Dimension Comparison

[Unit : mm]

Section	Current Tucson	New Tucson		Toyota RAV4	
		Diff	Diff		
Overall length	4,480	+150	4,630	+35	4,595
F.O.H	910	-15	895	-19	914
Wheelbase	2,670	+85	2,755	+65	2,690
R.O.H	900	+80	980	-11	991
Overall width	1,850	+15	1,865	+8	1,857
Overall height	1,645	+20	1,665	-37	1,702

## Harmonized exterior parts

### • Roof rack



Integrated aluminum roof racks and new design of the roof mounts minimizes gaps and exposure to the elements.

### • Side garnish parting line



Improved matching among external parts by changing the location of the side garnish parting line.

Largest second-row cabin space in its class, and competitive cargo space.



### Touch sensor on outside handle



UNLOCK



LOCK

- New touch sensor improves user convenience and supports the high-tech image
- When entering the car, simply pull on the handle to unlock and open doors without pressing buttons

### Interior Space Comparison

\* Panoramic Sunroof / [Unit : mm]

Item	Current Tucson	New Tucson		VW Tiguan		
		Diff	Diff			
Leg room	1 <sup>st</sup> row ①	1,053	-1	1,052	-	1,052
	2 <sup>nd</sup> row ②	970	+80	1,050	+82	968
Head room	1 <sup>st</sup> row ③	1,025 *963	-6 +5	1,019 *968	-30 -36	1049 *1004
	2 <sup>nd</sup> row ④	994 *953	+8 +37	1,002 *990	-10 +23	1012 *967
Trunk Capacity (VDA, ℓ) ⑤	Min	513	+26 +27	539(Gasoline)/540(Diesel)	-76 -75	615
	Max			1,860(Gasoline)/1,861(Diesel)	+205 +206	1,655

※VDA is based on full-size tires

### Knob-free inside handle



Knob-free type

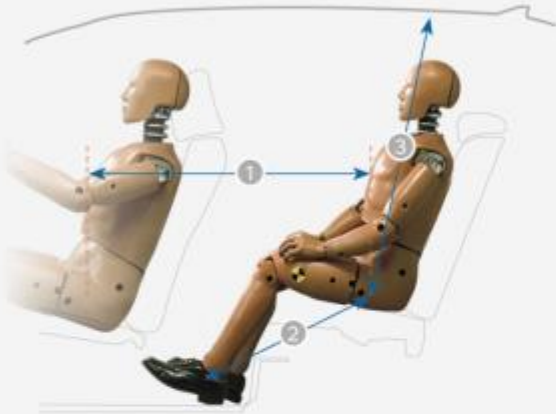


UNLOCK

Pull handle twice

- Knob-free for an elegant design
- Passenger & rear seats use double-motion override to prevent accidental door opening

## Largest second-row cabin space in its class



Most second-row legroom (1,050mm) and head room (1,002mm) in its class.

Item	Current Tucson	New Tucson	Toyota RAV4
Couple distance ①	838	906	846
Second-row leg room ②	970	1,050	935
Second-row head room ③	995	1,002	1,001

## Improved forward visibility



AVN display location has been lowered to improve forward visibility.

## Improved second-row rear cargo space



### Increased second-row rear cargo capacity (VDA)

- Spare tire well includes luggage mat and TMK case
- Optional parcel tray and undertray

※ Gasoline VDAs are based on tempo tires / SAE is based on board down

Item	Gasoline		Diesel	HEV	PHEV
	SAE	VDA	VDA	SAE	SAE
MIN	35.9	582	540	33.7	31.9
MAX	70.4	1,903	1,861	66.2	66.3

Additional second-row legroom secured by optimizing location of HEV / PHEV high voltage battery.

### HEV

High voltage battery is mounted under the second-row seat cushion to secure extra legroom (1,052mm) that is equivalent to sedans in the comparable class.

Battery location



All-new Tucson Short

Second-row specifications	New TUCSON (US/KOR)		Toyota RAV4
	Basic car	HEV	Basic car/ HEV
① Leg room	1,050	1,050	935
② Seated height	357	364(+7)	322
③ Head room	1,002	995	-

### PHEV

Provides excellent legroom (1,004mm) compared to competing models by mounting the high voltage battery on the underbody.

Battery location



All-new Tucson Short

Second-row specifications	New TUCSON (US)		Toyota RAV4
	Basic car	PHEV	Basic car/ HEV
① Second-row seated height	357	315	322
② Second-row leg room	1,050	1,004	935

Diverse seat functions add greater convenience for transporting cargo.

**6:4 fold & dive**  
(NX4/NX4a - North America ICE)



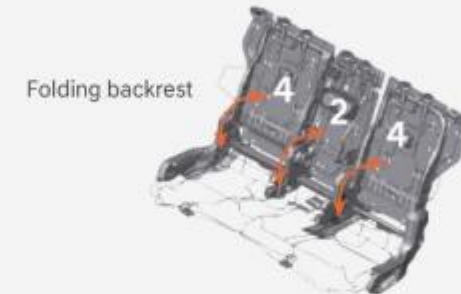
Applied fold & dive seat to secure maximum cargo space, (Full flat 8")

**6:4 back-folding**  
(Regular / Eco-car)



Applied fold & dive seat to secure maximum cargo space, (Full flat 10")

**4:2:4 back-folding**  
(NX4e)



4:2:4 with folding backrest adds extra versatility to accommodate various sized cargo, (eg skis)



**Walk-in device**

Driver can adjust (slide/recline) the passenger seat for convenience of front or rear seat passengers projects a feeling of luxury.



**Remote folding system**

Remote control feature permits the seats to be folded at a distance for improved user convenience.



### Lightweight luggage board

Reduced the weight and thickness of the two-layer luggage board and upgraded materials to improve usability. (1.5kg lighter than before)



### Applied scratch-resistant beads

Luggage board features new special treatment to improve resistance to scratching and soiling.



### Protruding grip handle

Applied protruding grip handle on the inside of the tailgate and lowered inner handle to improve usability for women and shorter users.



### Applied wrap door

Minimized protrusion of side area when opening door to reduce tripping when getting in and out of the vehicle and to address soiling issues.



### Eliminated side view parting line

Eliminated side view parting line for a cleaner presentation.



### Applied panel door

Changed frame door to panel door and eliminated welding of inner panel for an improved exterior appearance.

New platform and powertrain ensure the best driving performance and fuel efficiency in its class.



PERFORMANCE



Next-generation powertrain installed to procure the best performance in its class and a highly competitive level of fuel efficiency.

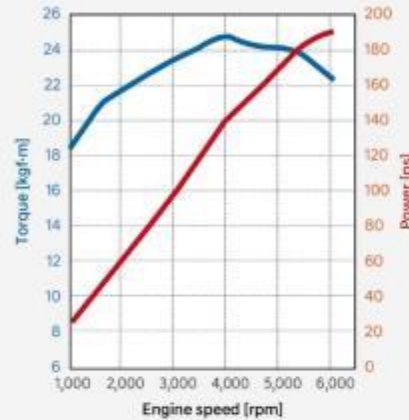
**Smartstream G2.5 GDI**

Mated with 8-Speed AT



Maximum Power  
**190** ps  
 6,100rpm

Maximum Torque  
**24.7** kgf·m  
 4,000 rpm



**Core feature**

- Optimal injection strategy selected based on vehicle driving conditions
- Heat loss minimized through variable separation, cross flow and integrated flux control

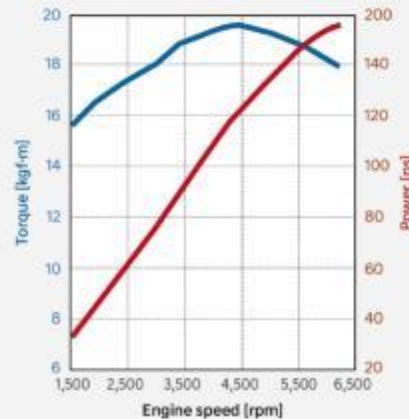
**Smartstream G2.0**

Mated with 6-Speed MT & AT



Maximum Power  
**156** ps  
 6,200rpm

Maximum Torque  
**19.6** kgf·m  
 4,500 rpm



**Core feature**

- Medium Phase Intake CVT (Fuel efficiency improved)
- Electronically controlled continuous variable oil-pump (Fuel efficiency improved)

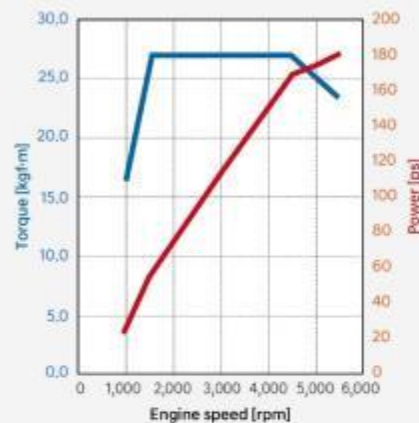
### Smartstream 1.6 T-GDI

Mated with 7-Speed DCT



Maximum Power  
**180** ps  
 5,500rpm

Maximum Torque  
**27** kgf·m  
 1,500 ~ 4,500 rpm



#### Core feature

- Continuously Variable Valve Duration(CVVD)  
 (Fuel efficiency & Low to medium speed performance improved)
- Integrated Temperature Management  
 (Fuel efficiency improved)

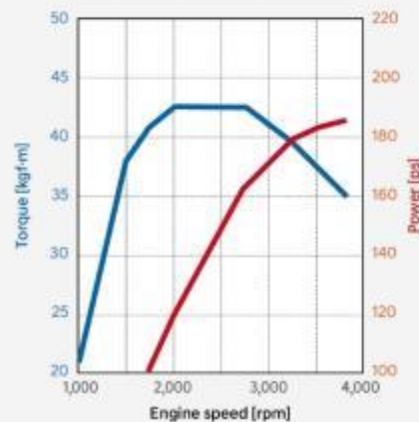
### Smartstream 2.0 Diesel

Mated with 8-Speed AT



Maximum Power  
**186** ps  
 4,000rpm

Maximum Torque  
**42.5** kgf·m  
 2,000 ~ 2,750 rpm



#### Core feature

### Smartstream 1.6T HEV

Mated with 6-Speed AT



#### Engine

Maximum Power  
 **180** ps  
 5,500rpm

Maximum Torque  
 **27** kgf·m  
 1,500 ~ 4,500 rpm



#### Motor

Maximum Power  
 **44.2** kW

Maximum Torque  
 **264** Nm

Based on combined engine and motor



### Smartstream 1.6T PHEV

Mated with 6-Speed AT



#### Engine

Maximum Power  
 **180** ps  
 5,500rpm

Maximum Torque  
 **27** kgf·m  
 1,500 ~ 4,500 rpm



#### Motor

Maximum Power  
 **66.9** kW

Maximum Torque  
 **304** Nm

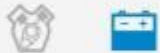
Based on combined engine and motor



### P(HEV) SYSTEM



#### Ignition



**Motor: EV mode**  
Prepares the hybrid system for driving without starting IC engine.

#### Low-speed



**Motor: EV mode**  
When driving at low torque, the electric motor is used without activating the IC engine: quiet and consumes no fuel.

#### Acceleration/ Climbing



**Engine + Motor**  
IC engine and electric motor are used simultaneously to produce the extra power needed for accelerating and climbing hills.

#### Cruising



**Engine + Motor**  
Operates with IC engine or motor; charges when the remaining electrical energy stored in the battery falls below a critical threshold.

#### Deceleration



**Charging**  
Collects energy generated during braking by turning off engine and using regenerative braking to charge the battery.

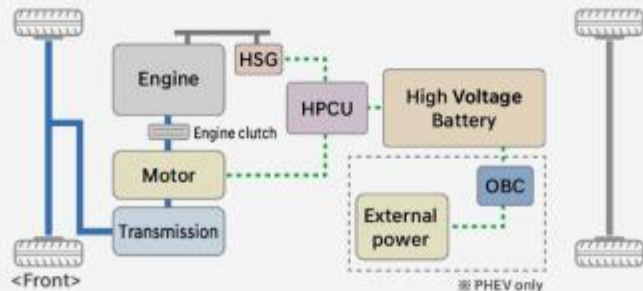
#### Stop



**Engine stop**  
When stopped or waiting at traffic lights, stops IC engine and motor to reduce exhaust emissions and reduce fuel consumption.

### PHEV SYSTEM Specifications

#### TMED Structure



※ TMED: Transmission Mounted Electric Device

Section	New TUCSON HEV	New TUCSON PHEV
Engine/motor combined output	230PS	265PS
Engine	G4FIII 1.6T-GDI (180PS, 27.0kgf.m)	
Transmission	6AT (torque capacity : 35.7kgf.m)	
Drive motor	44.2kW (permanent magnet type)	66.9kW (permanent magnet type)
High voltage battery	1.49kWh (lithium ion polymer)	13.8kWh (lithium ion polymer)
OBC	-	7.2kW

## Electronic transmission lever



Improved gear shifting convenience and a high-tech image.

Improved parking convenience with vehicle safety logic



When engine is turned off and driver leaves the car



Auto shifts into the P-gear

## 7-speed Dual Clutch Transmission



Advanced system uses dual clutches that operate sequentially.







- Combines the outstanding mileage of manual transmission with the convenience of an automatic transmission
- Advanced transmission system that improves both fuel efficiency and acceleration performance
- Instant responsiveness and exciting dynamic performance

## 8-speed automatic transmission



The extra gears not only help fuel economy by improving power delivery efficiency but they also raise the driving fun factor

### Engine & Transmissions combination chart

Section	Powertrain		North America	General
	Engine	T/M		
Gasoline	 Smartstream G2,5 GDI	8AT	○	○ (RUS only)
	 Smartstream G2,0	6AT / 6MT	—	○
	 Smartstream 1,6 T-GDI	7DCT	—	○
Diesel	 Smartstream 2,0 Diesel	8AT	—	○
HEV	 Smartstream 1,6T HEV	6AT	○	—
PHEV	 Smartstream 1,6T PHEV	6AT	○	—

## 3<sup>rd</sup> Generation compact N Platform for improved performance and integrated development

### Chassis Safety

Third-generation steel plates and multi-frame chassis structure applied to achieve the highest level of collision safety.



### Customer-oriented space

Optimized platform structure to create an efficient passenger space and improved design proportions.



### Driving performance

Experience active driving performance that enables handling and stability that responds immediately to the driver's intent.



3<sup>rd</sup> Gen. N-Platform

### Improved fuel efficiency

Best fuel efficiency in its class made possible by a lighter chassis and optimized structure.



3<sup>rd</sup> Generation Compact N Platform applied to achieve best chassis strength and safety in its class.

### Chassis Torsion Strength

Strong but lightweight structure and expanded application of hot-stamping are realized to minimize chassis deformation.  
(applied mainly on cabin protection area for collisions)

- 60K
- 60K
- 100K
- 120K
- Hot-stamping



No. of parts that apply hot-stamping



Torsional strength (10<sup>4</sup> kgf-m<sup>2</sup> /rad)



### Chassis union structure

Sturdy / lightweight chassis structure to procure best safety in its class.

Multi-frame structure in engine room



※ Comparison of chassis torsional strength

Section	CR-V	New TUCSON
Torsional strength (10 <sup>4</sup> kgf-m <sup>2</sup> /rad)	26.1	<b>29.1</b>
Weight (kg)	347.1	<b>333.8</b>
Weight injected per unit stiffness (kg)	13.3	<b>11.2</b>



Sturdy QTR rear combination structure



Front side member sturdiness/lightweight





Tucson's steering and suspension are more responsive than ever and made even better by the feeling of luxury that is transmitted throughout the chassis.

**Improved suspension geometry**

Tucson's steering and suspension are more responsive and comfort than ever and made even better by the feeling of luxury that is transmitted throughout the chassis.

**New platform (N3)**



**Front suspension**

- Higher roll center for minimal body lean
- Increased knuckle arm length for N,V,H. isolation on rough road.
- New inclined strut bearing for smooth steering feel



**Rear suspension**

- Optimized geometry characteristics by increasing bump/roll steer
- Stiffened muffler hanger and optimized member mounts for better secondary vibration

**Improved steering responsiveness**

Section	Current Tucson	New TUCSON	New TUCSONe
Gear ratio (mm/rev)	56	60(+4)	64(+8)
MDPS type	C-MDPS	C-MDPS	R-MDPS (EU / Option)

**Inclined strut bearing**



**New damper valves (MFS+MFB)**

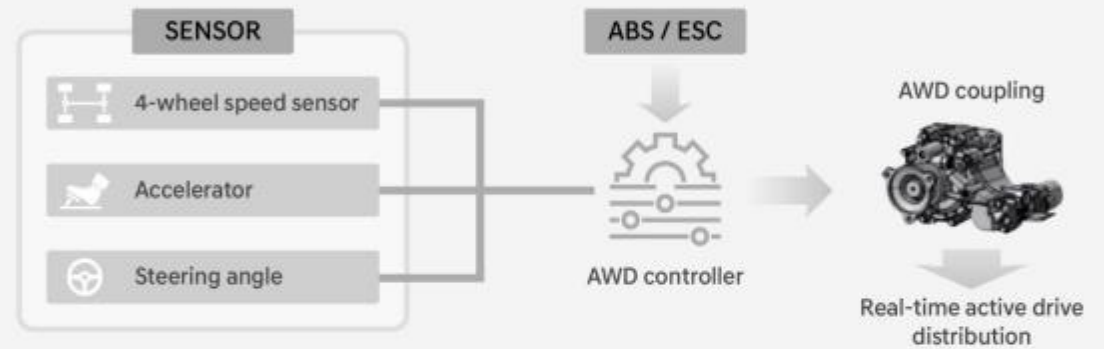


HTRAC includes Terrain Mode to enable safe driving on challenging roads and terrain and to increase driving fun.

## HTRAC



The AWD ECU identifies traction conditions and the driving state to precisely control torque delivery to the AWD coupling clutch that can variably distribute drive power to the front and rear wheels.



## Terrain mode (AT only)



Integrated control of power and torque delivery, braking, etc. depending on road conditions such as snow and sand. Ensures optimized traction and driving performance on various on-road and off-road surfaces. (Snow/Mud/Sand)



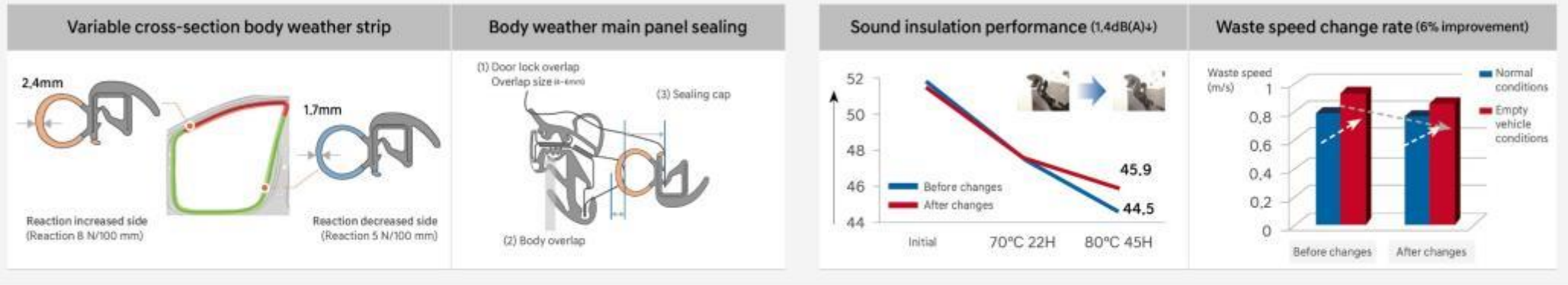
### Operation method

- ① Press button in the middle to activate 'TERRAIN' mode
- ② Move jog dial to the Up or down to change mode
- ③ Mode graphic pops up on the cluster

Optimal quietness through highly detailed structural improvements.

### Applied variable cross-section body weather strip to main sealing structure

- Applied weather strip with variable thickness to improve performance of both door N.V.H. and open/closing
- Increased weather strip thickness and minimized waste power conversion by changing the main sealing structure



### Improved air cleaner structure

Optimized N.V.H. performance through drawer-type air filter cover for an improved actuating force structure.  
(Diesel / Gasoline engine)



Safer fuel system with a lower weight and high impact robustness.

### Plastic fuel tank applied

Plastic reduces weight by 6.4kg while also reducing volume by 8 liters compared to the previous model.

Section	Current Tucson	New TUCSON
		Gamma 1.6T + 7DCT 2WD
Capacity (ℓ)	62	<b>ICE : 54</b> (HEV : 52 / PHEV : 42)

### Underbody layout

Relocated the diesel pump to achieve greater collision robustness.

(compliance with small overlap and other new collision testing regulations)

#### Diesel filter

Mounted on bottom of the center floor in response to the newest North American front collision regulations.



### Diesel filter

Mounted on bottom of the center floor in response to the newest North American front collision regulations.



Diesel: can be injected

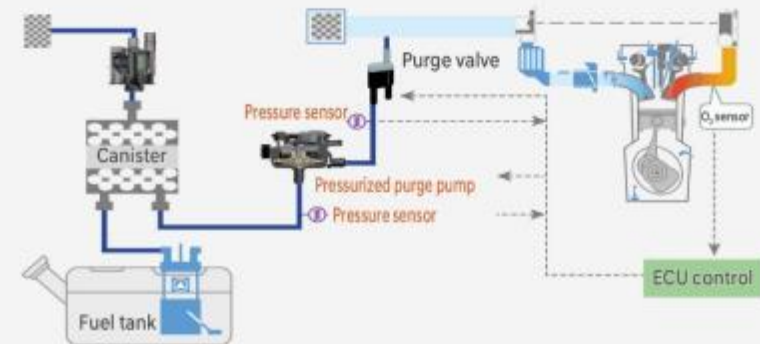


Gasoline/diesel exhaust fluid: cannot be injected

### Active purge system

Activates negative pressure pump when turning on engine to purge canister evaporation gas. (Exclusively for HEV / PHEV)

- Inner diameter of purge line increased; purge pressure sensor added



Improved driving and aerodynamic performance with PHEV-exclusive specifications.

### Electrically Assisted Handling Performance (e-Handling)

Technology that improves handling performance by using an electric motor during turning to adjusting vehicle loading. This delivers better steering responsiveness, linearity and stability to enhance driving fun and operational convenience.

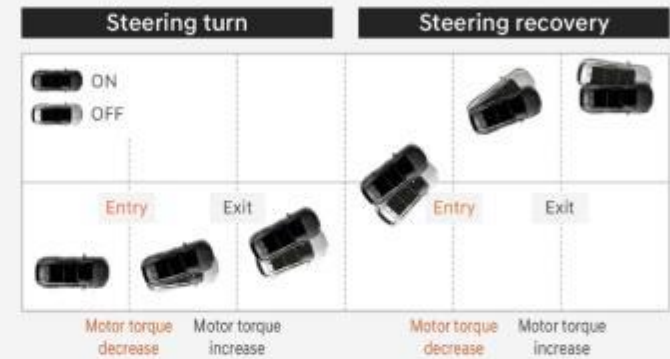
#### How it works

The vehicle attitude during acceleration/deceleration is automatically adjusted for better turn control

- ① Entering curve: Motor torque control → adjusted for improved front-wheel tire cornering control → Improved steering responsiveness
- ② Curve departure: Motor torque control → adjusted for improved rear-wheel tire cornering control → Improved curve stability



Vehicle behavior during acceleration/deceleration



Vehicle behavior when changing lanes

※ Activate functions: Turn function off using TCS OFF switch

### Active Air Flap



Comprehensively factors in the engine coolant temperature, vehicle speed etc. for smart control of the air intake in order to minimize air resistance and improve fuel efficiency.

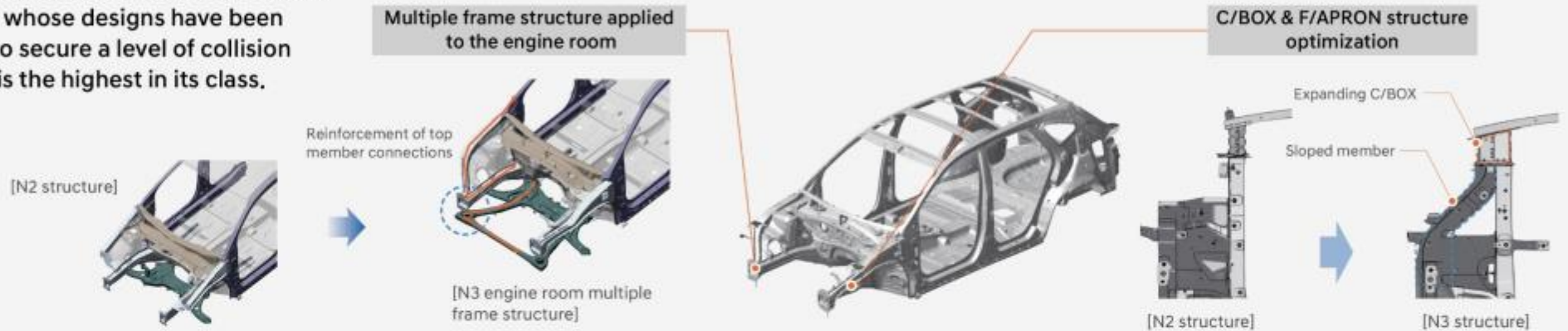
- Applies 3<sup>rd</sup> generation (LIN communication) actuator to reduce package size and minimize the in-vehicle communication load



Customized designs for different variants optimizes the steel structure to realize the best safety in its class.

### Optimized collision structure

The engine compartment is composed of multiple sub-modules such as the C/BOX & F/APRON whose designs have been optimized to secure a level of collision safety that is the highest in its class.



### Customized design considering collision severity

Customized designs match eco-car characteristics to maximize collision safety.




### Tucson: Best collision performance in its class


Section	Region	New TUCSON	CR-V	RAV4
NCAP	Domestic	Grade 1	Grade 3 (17)	Grade 1 (16)
	North America	★★★★★	★★★★★	★★★★★
	Europe (reinforced)	Basic4★/Optional5★	Not evaluated	Not evaluated
IIHS	North America	TSP+	TSP (18)	TSP (18)

Equipped with advanced collision safety specifications, Tucson achieves the top safety level in its class.

### 7-airbag system



- 1 Driver airbag
- 2 Passenger airbag
- 3 Front Side Airbag (Left)
- 4 Front Side Airbag (Right)
- 5 Curtain airbag (left)
- 6 Curtain airbag (right)
- 7 Front Center Side Airbag



**First row center side airbag**

In the event of a side impact that can cause secondary in-car collisions between the driver and front passenger, this new airbag minimizes the risk of serious injuries. (AUS only)

### Multi-collision braking system (MCB)



\* MCB : Multi-Collision Brake

**When airbag deployment is triggered by a front or side impact, MCB automatically applies emergency braking to reduce the risk of secondary and/or multiple collisions.**

**Virtual scenario**

When MCB is not applied	Collision while driving	When MCB is applied
		
Secondary collision with oncoming vehicle	Airbags deployed when collision occurs (assumes that the driver has lost control of vehicle)	Impact sensor will trigger emergency braking to prevent secondary collision with oncoming vehicle

The new Tucson offers an improved and expanded range of SmartSense technologies.



**Hyundai** SmartSense



## Upgraded SmartSense of New TUCSON

English abbreviation	Full name	Current Tucson	New Tucson	Remarks (change history)
FCA	Forward Collision-Avoidance Assist	●	● (upgrade)	Forward Collision-Avoidance Assist (FCA, Junction Turning)
ISLA	Intelligent Speed Limit Assist	●	●	
LKA	Lane Keeping Assist	●	●	
HBA	High Beam Assist	●	●	
DAW	Driver Attention Warning	●	● (upgrade)	Added Leading Vehicle Departure Alert function
SCC	Smart Cruise Control	●	●	Apply "One-Touch On" operation
HDA (US/CAN only)	Highway Driving Assist	●	●	① One-touch On button applied, ② Driving Speed limit control ③ Expansion of the operating road.
BCA	Blind-Spot Collision-Avoidance Assist	● (BCW)	● (BCA)	Added function that helps to avoid a collision. (Collision-Avoidance Assist)
RCCW	Rear Cross-Traffic Collision Warning	●	●	-
SVM	Surround View Monitor	●	● (upgrade)	Improved camera resolution (300,000 analog → 1,000,000 digital)
PCA (US/CAN/AUS/RUS only)	Parking Collision-Avoidance Assist	-	●	Newly added
SEW	Safe Exit Warning	-	●	Newly added
BVM	Blind-Spot View Monitor	-	●	Newly added
LFA	Lane Follow Assist	-	●	Newly added
NSCC (US/CAN only)	Navigation-based Smart Cruise Control	-	●	Newly added
RSPA (US/CAN/AUS/RUS, AT only)	Remote Smart Parking Assist	-	●	Newly added

The capabilities of Hyundai SmartSense technologies are continually being expanded and improved to make driving ever more safer and easier.

### Forward Collision-Avoidance Assist



On detecting the risk of a collision with a forward vehicle, pedestrian or cyclist, the driver is warned to the danger, and if necessary, brakes are automatically applied to help avoid a frontal collision.

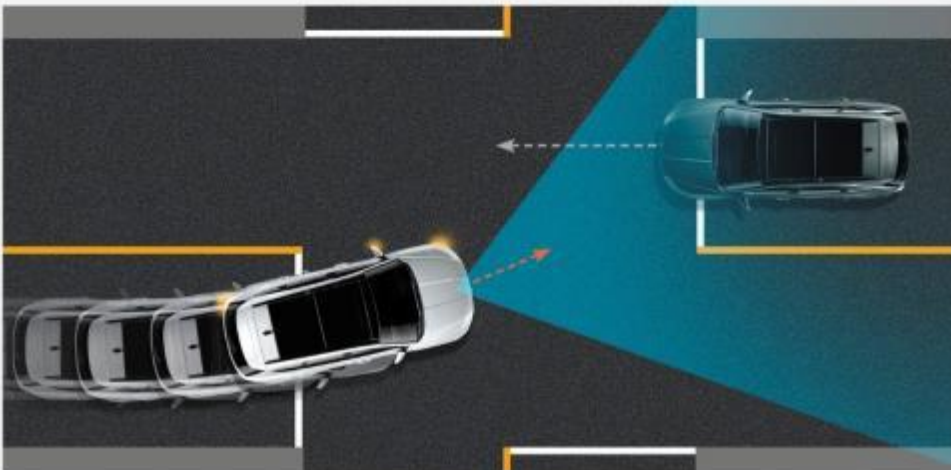
(\*): Front View Camera only

Section	Operating speed	
	vehicle	Pedestrian/cyclist
Forward Collision Warning	10-180 km/h	10-85(*80) km/h
Prefill and Partial Brake	10-180(*60) km/h	10-65 km/h
Prefill, Partial and Full Brake	(moving) 10-85(*60) km/h (Stationary) 10-75(*60) km/h	10-65(*60) km/h

New Tucson	HONDA CR-V	VW TIGUAN	Current TUCSON
○	○	○	○

### FCA, Junction Turning



Junction Turning function should only detect oncoming vehicle while turning left. It can not detect vehicle from left or right (Junction crossing) only from the left side of the driver (before crossing) - opposite logic for RH.

*First in class*

Operating conditions for car in opposite lane at intersections

Section	Operating speed
Host vehicle speed	10-30 km/h
Oncoming vehicle speed	30-70 km/h
Lateral distance from the oncoming vehicle (before turning)	4-5 m
Oncoming vehicle driving angle (after turning)	Within ±20 deg with the direction of host vehicle
Turn signal switch	If the left turn signal switch is activated

### Lane Follow Assist



LFA is a driving convenience function that helps center the vehicle in the lane while driving.

- Front view camera recognizes lanes to help with steering.

Section	Contents		Remarks
Host vehicle speed	0-180 km/h		Max horizontal acceleration 2.8 m/s <sup>2</sup>
Control point	Expand in all fields in the lane before departing from lane		
New Tucson	HONDA CR-V	VW TIGUAN	Current TUCSON
○	○	○	X

### Driver Attention Warning





DAW is a driving safety function that analyzes the driver's attention level and provides a warning while driving.

- The driver's attention level is displayed in 5 scaled levels.
- Warns if driver attention level is "low" (stage 1) while driving.
- When the level of attention reaches level "0", a break is recommended.
- Provide a alert to the driver when the leading vehicle departs during a stop.

Section	Contents		Remarks
Operating range	0-210 km/h		-
New Tucson	HONDA CR-V	VW TIGUAN	Current TUCSON
○	○	○	○

### Navigation-based Smart Cruise Control (US/CAN only)

\* NSCC : Navigation-based Smart Cruise Control

Section	<b>New</b> Curves	Auto change of set speed
Road situation		
Operating sector	Curve	All sectors
Control contents	Control speed to optimal curve rate speed	Automatic change of set speed to road speed limits
Target roads	Highway/motorway (added)	

**Navigation-based Smart Cruise Control helps drive at a safe speed on the highway using navigation. In a highway curved section, the speed is automatically reduced appropriately before entering the curve. Then, if leaving the curve, the speed is returned to the previous set speed.**

- If the driver sets the set speed to the current speed limit on the highway or motorway during system operation, the set speed is changed automatically whenever the speed limit changes.

New Tucson	HONDA CR-V	VW TIGUAN	Current TUCSON
<input type="radio"/>	X	X	<input type="radio"/>



### Highway Driving Assist (US/CAN only)



HDA is a driving convenience function that helps maintain distance from the vehicle ahead and drive at a speed, set by the driver and helps center the vehicle in the lane when driving on a highway/motorway.

#### Main functions

- Lane following control
- Maintaining safe distance between cars (including speed limit control)

Section	Contents	Remarks
Operating range	0-180 km/h	-
Operating road	Highways and motorways	For overseas regions, roads that do not have interruptions to high-speed driving (Definition differs depending on region)

New Tucson	HONDA CR-V	VW TIGUAN	Current TUCSON
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	X

### Blind-Spot Collision-Avoidance Assist



- When the driver signals a lane change, a warning is issued should the risk of collision be detected due to vehicles in the blind spot; if necessary, braking is automatically applied to avert a collision
- When exiting a parallel parking spot, It automatically applies the brakes to reduce the risk of collision with vehicles in the blind spot (first in class)

Section	Contents	Remarks	
Operating conditions	60-180 km/h	<ul style="list-style-type: none"> <li>- <math>600\text{ m} \leq \text{deviation curve radius (R)}</math></li> <li>- Detect both lanes</li> <li>- <math>2,7\text{ m} \leq \text{Lane width (W)} \leq 4,5\text{ m}</math></li> <li>- Activated when there is no secondary collision with nearby obstacles (vehicle, pedestrian, cyclist)</li> </ul>	
New Tucson	HONDA CR-V	VW TIGUAN	Current TUCSON
○	X	X	X

### Rear Cross-Traffic Collision Warning



When backing out, RCCA warns the driver to the approach of a vehicle crossing his rearward path; if necessary, the brakes are automatically applied to avoid collision.

### Safe Exit Warning



SEW is a driving safety function that provides a warning when a vehicle is approaching from the rear while an occupant is getting out of the vehicle.

*First in class*

New Tucson	HONDA CR-V	VW TIGUAN	Current TUCSON
○	X	X	X

**Parking Collision-Avoidance Assist (US/CAN/AUS/RUS only)**



This technology issues a warning whenever a pedestrian or obstacle is detected while reversing or executing parking maneuvers. If necessary, braking will be automatically applied.

NEW

**Main functions**

- Rear view camera and rear ultrasonic sensors detect pedestrian or obstacles in the rear
- Warning/emergency braking help avoid a collision

New Tucson	HONDA CR-V	VW TIGUAN	Current TUCSON
○	X	X	X

**Remote Smart Parking Assist (US/CAN/AUS/RUS, AT only)**



Remote Smart Parking Assist helps remotely park or exit a parking spot from outside the vehicle. Press and hold the Forward or Backward button on the smart key until the vehicle reaches the desired position.

NEW

**Main functions**

- Automatically controls steering wheel inputs, vehicle speed and gear shift changes to assist with parking spot entry and exit
- Ultrasonic sensors can identify obstacles and emergency braking is applied whenever the risk of a collision is detected
- Smart key fob offers forward or backward moving functions by remote control

New Tucson	HONDA CR-V	VW TIGUAN	Current TUCSON
○	X	X	X

### Surround View Monitor



Parking safety function that shows the situation around the vehicle from various viewpoints, including top view, zoom in/out for the front, rear, left and right of the vehicle.

#### Main functions



New Tucson	HONDA CR-V	VW TIGUAN	Current TUCSON
○	X	○	○

### Blind-Spot View Monitor



Blind-Spot View Monitor displays video of the blind-spot view for a safe lane change. When operating the turn signal switch, the system displays video of the blind-spot view for the direction indicated. NEW

#### Main functions

- Doubles the viewing angle compared to conventional mirrors
- Displays the blind spot view in the cluster based on L/R turn signal activation



New Tucson	HONDA CR-V	VW TIGUAN	Current TUCSON
○	X	X	X

The all-new Tucson marks the debut of innovative technologies that are unique to Tucson and make for a truly smart driving experience.



**NEW TECHNOLOGY**



Tucson's new high-tech gauge cluster brings digital precision, color and clarity to driving.

Gauge Cluster

LCD Graphic Themes

10.25-inch color TFT-LCD cluster



User have a choice of themes and Drive Mode Select (controlling steering, engine, and transmission response) is user-adjustable. (10.25-inch cluster only)

4.2-inch color TFT-LCD cluster



Monochrome display tracks key performance metrics.

Featuring numerous hardware and software upgrades, Tucson offers a connectivity experience that is second to none.

### 10.25-inch Smart Navigation



New touchscreen GUI (graphic user interface) provides an expanded array of functions, all easily accessible and highly enjoyable through simplified menus and icons.



**USM**  
The large navigation screen provides access and control of diverse vehicle functions.



**Bluetooth multi-connection**  
Simultaneously supports two devices for enhanced usability.

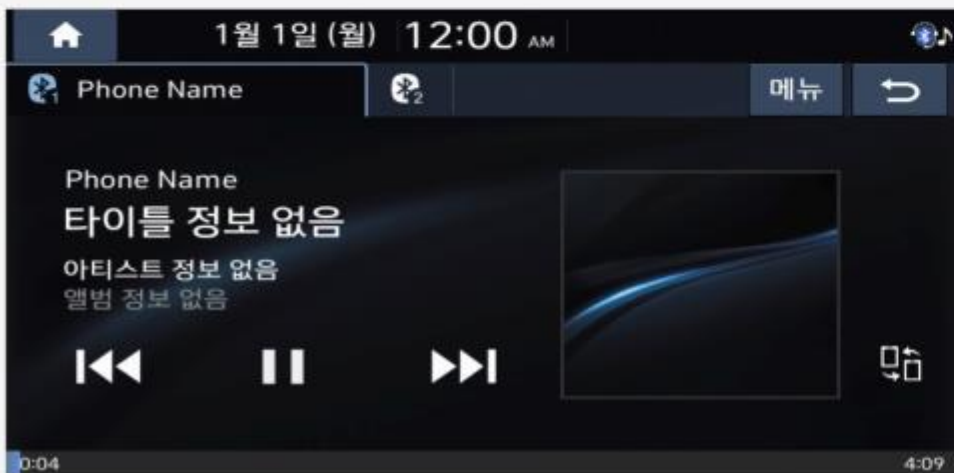


**Sounds of nature**  
6 types of soothing sounds.



**Personalized profile**  
Supports driver detection to create a personalized vehicle environment.

### 8-inch display audio



The display mirrors your smartphone's navigation apps, streaming services and other features for safer, more convenient driving.

#### Main functions

- Smartphone support through Bluetooth
- Apple CarPlay: wireless support
- Android Auto: wireless & wired support



Apple CarPlay



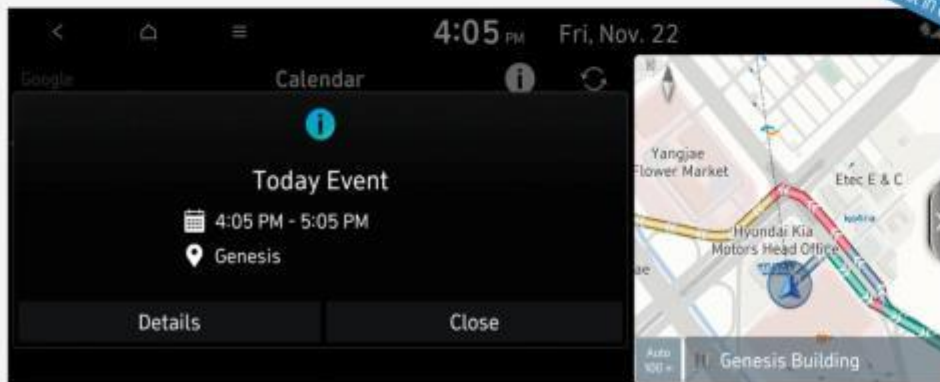
Android Auto

**Final Destination Information** (US/CAN/EU only)



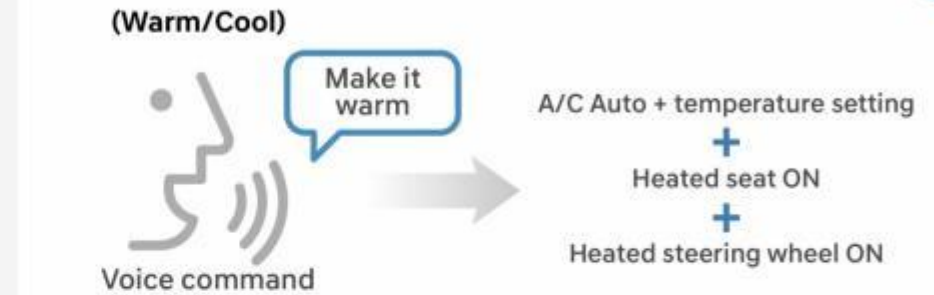
Provides location information and details the remaining steps from the parking spot to your final destination using your smartphone navigation app.

**Calendar linking** (US/CAN/EU/RUS only)



Allows in-vehicle checks of your calendar (Google, iCloud) so you can set appointment locations and navigation routes while on-the-go.

**Voice Recognition Vehicle Control** (US/CAN/EU/RUS only)

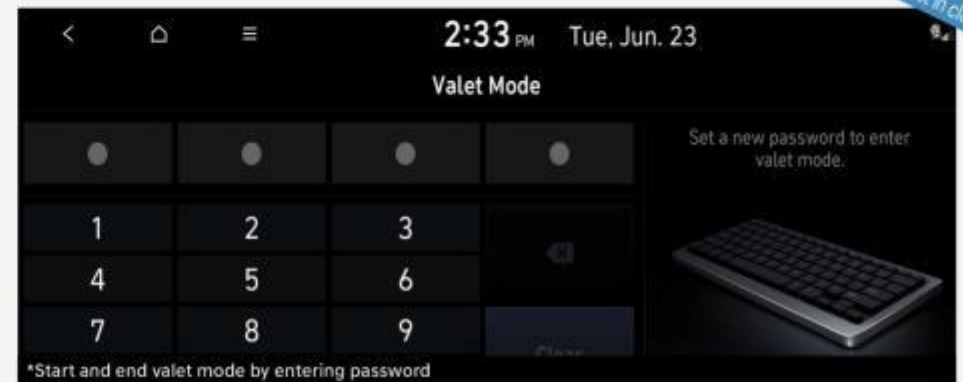


\* Window, heated seat, ventilation, heated steering wheel, air conditioning, etc.

Vehicle functions can be controlled with natural language-based voice commands. Integrated vehicle control and activation is possible with a single voice command.

(Since March 2021)

**Valet mode** (US/CAN/EU only)



\*Start and end valet mode by entering password

When the vehicle is driven by another driver, such as a parking valet, all user personal information is password protected so that system use is limited to strengthen the security of personal information.

The most pleasant cabin environment in its class through the application of new A/C technologies.

Preset air-conditioning ventilation (US only)



During hot weather, before passengers boarding the vehicle, this function pushes the high temperature internal air out of the vehicle through the preset ventilation function to reduce cabin temperature and improve indoor comfort.

[Operation procedure]

- During KEY OFF: Symbol shown for 10 seconds to alert the preset ventilation function setting status.
- Duration of preset ventilation function after KEY OFF: Operates for 5-15 minutes depending on the outside air temperature.
  - ① Symbol is repeatedly blinked ON/OFF to alert activation of the preset ventilation function.
  - ② Activated with blower manual 2-stage voltage
  - ③ Activated in outside air circulation mode (Effecting the outside air mode during KEY OFF)
  - ④ Switched to VENT mode      ⑤ TEMP DOOR changed to state before KEY OFF (Evaporator drying logic released)
  - ⑥ Active low signal H/W output through IBU
- When setting USM, the setting is canceled after operating one time. (1 set for 1 operation, must set each time when needing activation)

[Release condition]

- When KEY ON.
- When preset ventilation activation time (5-15 minutes) passes.

Multi Air Mode



At the press of a button, the air blows gently from a number of different outlets providing a level of comfort and control that is not available in other vehicles.

First in class

Multi Air Mode Wind intensity direction



Multi-air mode button

Tucson has some new and advanced features that are very thoughtful and nice to have because they add a touch of convenience to your daily routine.

### Customized power tailgate



Greater user convenience with customized smart power tailgate that makes it easy to adjust the lift height to one of three settings according to user preferences.

First in class



#### AVN power tailgate lift height setting function



### Rear occupant alert



New technology detects passenger movement in the rear using an ultrasonic sensor, enabling the driver to be notified if young children or pets are accidentally left behind.

First in class

Section	1 <sup>st</sup> notification (when driver leaves vehicle)	Ultrasonic sensor function disabled	2 <sup>nd</sup> alarm (after locking vehicle)
Conditions	When rear door open is detected and engine off + driver's door opened	When cluster message pops up first notification, press the OK button on the steering wheel to disable the function 1 time	After first alarm + vehicle locked and indoor movement detected by ultrasonic sensor
Logic composition	 Message pop-up  Warning	 	 Send text message via Bluelink

### BOSE Premium Sound System



The premium sound system combines the optimally tuned 7 high-performance speakers and subwoofer based on BOSE's unique sound technology of BOSE.

### Wireless smart phone charging



High speed wireless smartphone charging incorporates a cooling function to prevent your device from overheating, thus improving convenience and safety.

### Speed-linked rain-sensing wipers



Operation of the rain sensing wipers is now synchronized with the vehicle speed to offer an extra margin of safety and convenience.

### One-touch SCC



Improved Smart Cruise Control function maintains a safe distance from the vehicle ahead and features one-touch operation for more convenient simplicity.

### heated 2<sup>nd</sup> row seat



Heated seat function provides comfort for rear seat passengers

### Heated Windshield & Washer Nozzle (RUS only)



Full front view and improved wiper performance ensured with heated windshield and heated washer nozzle, all functions specifically designed for cold-weather areas with lots of snow and ice.

Exterior Color

Ulsan



US



Interior Color



Black 1 Tone (NNB)



Gray 2 Tone (MMH)



Brown 1 Tone (PRF)



Blue 1 Tone (WDN)

## ENGINE

REGION		DOM (K1)			GENERAL / ASIA & PACIFIC (K2/4)			
TYPE		GASOLINE		DIESEL	GASOLINE			DIESEL
		Smartstream G1.6 T-GDi	Smartstream G1.6 T-GDi HEV	Smartstream D2.0	Smartstream G2.0 MPI	Smartstream G2.0 MPI	Smartstream G1.6 T-GDi	Smartstream D2.0
EMISSION					EU 2/3/4	EU 5/6/6D	EU 3/4/5/6/6D	
GENERAL	DISPLACEMENT (cc)	1,598	1,598	1998	1,999	1,999	1,598	1,998
	BORE x STROKE(mm)	75.6 X 89.0	75.6 X 89.0	83 X 92.3	81x97	81x97	75.6 X 89.0	83 X 92.3
	COMPRESSION RATIO	10.5	10.5	16	10.8	10.8	10.5	16
	MAX.POWER (kW/rpm)	132.4 / 5,500	132.4 / 5,500	137 @ 4,000	115 / 6,200	115 / 6,200	132.4 / 5,500	137 / 4,000
	MAX.POWER (ps/rpm)	180 / 5,500	180 / 5,500	186 @ 4000	156 / 6,200	156 / 6,200	180 / 5,500	186 / 4000
	MAX.POWER (hp/rpm)	180 / 5,500	180 / 5,500	183 @ 4,000	154 / 6200	154 / 6,200	180 / 5,500	183 / 4,000
	MAX.TORQUE (kg.m/rpm)	27 / 1,500-4,500	*Engine: 27kgf.m / 1,500-4,500rpm *Motor: 265Nm / 1,500-4,500rpm	42.5 @ 2,000-2,750	19.6 / 4,500	19.6 / 4,500	27 / 1,500-4,500	42.5 / 2,000-2,750
	MAX.TORQUE (Nm/rpm)	265 / 1,500-4,500		416 @ 2,000-2,750	192 / 4,500	192 / 4,500	265 / 1,500-4,500	416 / 2,000-2,750
CYLINDER LAYOUT		In-Line	In-Line	In-Line	In-Line	In-Line	In-Line	In-Line
NUMBER OF CYLINDERS		4	4	4	4	4	4	4
CYLINDER BLOCK		ALUMINIUM	ALUMINIUM	ALUMINIUM	ALUMINIUM	ALUMINIUM	ALUMINIUM	ALUMINIUM
CYLINDER HEAD		ALUMINIUM	ALUMINIUM	ALUMINIUM	ALUMINIUM	ALUMINIUM	ALUMINIUM	ALUMINIUM
CAM TYPE		DOHC	DOHC	DOHC	DOHC	DOHC	DOHC	DOHC
VALVE SYSTEM		SWING ARM TYPE	SWING ARM TYPE	16-VALVE, HLA	16 Valve HLA & SWING ARM	16 Valve HLA & SWING ARM	SWING ARM TYPE	16-VALVE, HLA
IGNITION SYSTEM		SPARK IGNITION Distributorless (고에너지 코일 Type)	SPARK IGNITION Distributorless (고에너지 코일 Type)	COMPRESSION IGNITION	SPARK IGNITION Distributorless (고에너지 코일 Type)	SPARK IGNITION Distributorless (고에너지 코일 Type)	SPARK IGNITION Distributorless (고에너지 코일 Type)	COMPRESSION IGNITION
INTAKE SYSTEM		TIS	TIS	TURBO CHARGED	VIS(Variable Intake System)	VIS(Variable Intake System)	TIS	TURBO CHARGED
FUEL SYSTEM		GDI (Gasoline Direct Injection)	GDI (Gasoline Direct Injection)	CRDI (Common Rail Direct Injection)	MPI	MPI	GDI	CRDI (Common Rail Direct Injection)
EMISSION CONTROL SYSTEM		WCC + UCC	WCC + GPF	LNT/DPF+SCR	WCC only	WCC+UCC	EURO-3/4 : WCC only EURO-5/6b : WCC + UCC EURO-6d : WCC + GPF	EURO-4/5 :LNT/DPF EURO-2/3 :DOC
ELECTRIC	ALTERNATOR	13.5V 130A	-	13.5V 150A	13.5V 120A	13.5V 120A	13.5V 130A	13.5V 150A
SYSTEM	STARTER	12V 1.3kW	-	12V 2.0kW	12V 1.2KW	12V 1.2KW	12V 0.9kW	12V 2.0kW
ENGINE LUBRICANT OIL CAPACITY (ℓ)		4.8 (With Oil filter)	4.8 (With Oil filter)	공정주입량 6.1 / 오일교환량 5.6	4.3 (With Oil filter)	4.3 (With Oil filter)	4.8 (With Oil filter)	공정주입량 6.1 / 오일교환량 5.6
COOLING CAPACITY (ℓ)		3.1 (Engine only)	3.1 (Engine only)	4.1 (Engine only)	2.2 (Engine only)	2.2 (Engine only)	3.1 (Engine only)	4.1 (Engine only)



## ENGINE

REGION		AUSTRALIA (K5)				NORTH AMERICA (K6/K7)			
TYPE		GASOLINE			DIESEL	GASOLINE			
		Smartstream G2.0 MPI	Smartstream G1.6 T-GDi	Smartstream G2.5 GDI	Smartstream D2.0	Smartstream G2.5 GDI	Smartstream G2.5 GDI	Smartstream G1.6 T-GDI HEV	Smartstream G1.6 T-GDI PHEV
EMISSION		EU5	EU 5	EU 5	EU 5	ULEV	SULEV	SULEV	SULEV
GENERAL	DISPLACEMENT (cc)	1,999	1,598	2,497	1,998	2,497	2,497	1,598	1,598
	BORE x STROKE (mm)	81x97	75.6 X 89.0	88.5 X 101.5	83 X 92.3	88.5 X 101.5	88.5 X 101.5	75.6 X 89.0	75.6 X 89.0
	COMPRESSION RATIO	10.8	10.5	13	16	13	13	10.5	10.5
	MAX. POWER (kW/rpm)	115 / 6,200	132.4 / 5,500	140 / 6,100	137 / 4,000	140 / 6,100	140 / 6,100	132.4 / 5,500	132.4 / 5,500
	MAX. POWER (ps/rpm)	156 / 6,200	180 / 5,500	190 / 6,100	186 / 4,000	190 / 6,100	190 / 6,100	180 / 5,500	180 / 5,500
	MAX. POWER (hp/rpm)	154 / 6,200	180 / 5,500	187 / 6,100	183 / 4,000	187 / 6,100	187 / 6,100	180 / 5,500	180 / 5,500
	MAX. TORQUE (kg.m/rpm)	19.6 / 4,500	27 / 1,500-4,500	24.7 / 4,000	42.5 / 2,000-2,750	24.7 / 4,000	24.7 / 4,000	*Engine: 27 / 1,500-4,500 *Motor: 264 / ~1,600	*Engine: 27 / 1,500-4,500 *Motor: 304 / ~2,100
	MAX. TORQUE (Nm/rpm)	192 / 4,500	265 / 1,500-4,500	242 / 4,000	416 / 2,000-2,750	242 / 4,000	242 / 4,000	180 / 5500	180 / 5500
CYLINDER LAYOUT		In-Line	In-Line	In-Line	In-Line	In-Line	In-Line	In-Line	In-Line
NUMBER OF CYLINDERS		4	4	4	4	4	4	4	4
CYLINDER BLOCK		ALUMINIUM	ALUMINUM	ALUMINUM	ALUMINUM	ALUMINUM	ALUMINUM	ALUMINUM	ALUMINUM
CYLINDER HEAD		ALUMINIUM	ALUMINUM	ALUMINUM	ALUMINUM	ALUMINUM	ALUMINUM	ALUMINUM	ALUMINUM
CAM TYPE		DOHC	DOHC	DOHC	DOHC	DOHC	DOHC	DOHC	DOHC
VALVE SYSTEM		16 Valve HLA & SWING ARM	SWING ARM TYPE	16 VALVE HLA (4 VALVES FOR EACH CYL)	16-VALVE, HLA	16 VALVE HLA (4 VALVES FOR EACH CYL)	16 VALVE HLA (4 VALVES FOR EACH CYL)	SWING ARM TYPE	SWING ARM TYPE
IGNITION SYSTEM		SPARK IGNITION Distributorless (고에너지 코일 Type)	SPARK IGNITION Distributorless (고에너지 코일 Type)	SPARK IGNITION Distributorless (고에너지 코일 Type)	COMPRESSION IGNITION	Distributorless (Plug Top Coil Type)	Distributorless (Plug Top Coil Type)	SPARK IGNITION Distributorless (고에너지 코일 Type)	SPARK IGNITION Distributorless (고에너지 코일 Type)
INTAKE SYSTEM		VIS (Variable Intake System)	TIS	VIS (Variable Intake System)	TURBO CHARGED	VIS (Variable Intake System)	VIS (Variable Intake System)	TIS	TIS
FUEL SYSTEM		MPI	GDI	GDI (Gasoline Direct Injection) +MPI (Multi Point Injection)	CRDI (Common Rail Direct Injection)	GDI (Gasoline Direct Injection) +MPI (Multi Point Injection)	GDI (Gasoline Direct Injection) +MPI (Multi Point Injection)*	GDI (Gasoline Direct Injection)	GDI (Gasoline Direct Injection)
EMISSION CONTROL SYSTEM		WCC+UCC	WCC + UCC	WCC+UCC	LNT/DPF	ULEV :WCC+UCC	SULEV :WCC+UCC	WCC + GPF	WCC + GPF
ELECTRIC	ALTERNATOR	13.5V 120A	13.5V 130A	13.5V 150A	13.5V 150A	13.5V 150A	13.5V 150A	-	-
SYSTEM	STARTER	12V 1.2KW	12V 0.9kW	12V 1.2kW(Non ISG) 12v 1.4kW(ISG)	12V 2.0kW	12V 1.2kW(Non ISG) 12v 1.4kW(ISG)	12V 1.2kW(Non ISG) 12v 1.4kW(ISG)	-	-
ENGINE LUBRICANT OIL CAPACITY (ℓ)		4.3 (With Oil filter)	4.8 (With Oil filter)	5.8 (With Oil filter)	공장주입량 6.1 / 오일교환량 5.6	5.8 (With Oil filter)	5.8 (With Oil filter)	4.8 (With Oil filter)	4.8 (With Oil filter)
COOLING CAPACITY (ℓ)		2.2 (Engine only)	3.1 (Engine only)	3.8 (Engine only)	4.1 (Engine only)	3.8 (ngine only)	3.8 (ngine only)	3.1 (ngine only)	3.1 (ngine only)

## ENGINE

REGION		RUSSIA (K9)			
TYPE		GASOLINE			DIESEL
		SmartstreamG2.0 MPI	Smartstream G1.6 T-GDi	Smartstream G2.5 GDI	Smartstream D2.0
EMISSION		EU5	EU 5	EU 5	EU5
GENERAL	DISPLACEMENT (cc)	1,999	1,598	2,497	1,998
	BORE x STROKE (mm)	81x97	75.6 X 89.0	88.5 X 101.5	83 X 92.3
	COMPRESSION RATIO	10.8	10.5	13	16
	MAX.POWER (kW/rpm)	115 / 6,200	132.4 / 5,500	140 / 6,100	137 / 4,000
	MAX.POWER (ps/rpm)	149 / 6,200	180 / 5,500	190 / 6100	186 / 4,000
	MAX.POWER (hp/rpm)	147 / 6,200	180 / 5,500	187 / 6,100	183 / 4,000
	MAX.TORQUE (kg.m/rpm)	19.6 / 4,500	27k / 1,500~4,500	24.7 / 4000	42.5 / 2,000~2,750
	MAX.TORQUE (Nm/rpm)	192 / 4,500	265 / 1,500~4,500	242 / 4,000	416 / 2,000~2,750
CYLINDER LAYOUT		In-Line	In-Line	In-Line	In-Line
NUMBER OF CYLINDERS		4	4	4	4
CYLINDER BLOCK		ALUMINIUM	ALUMINIUM	ALUMINIUM	ALUMINIUM
CYLINDER HEAD		ALUMINIUM	ALUMINIUM	ALUMINIUM	ALUMINIUM
CAM TYPE		DOHC	DOHC	DOHC	DOHC
VALVE SYSTEM		16 Valve HLA & SWING ARM	SWING ARM TYPE	16 VALVE HLA (4 VALVES FOR EACH CYL)	16-VALVE, HLA
IGNITION SYSTEM		SPARK IGNITION Distributorless (고에너지 코일 Type)	SPARK IGNITION Distributorless (고에너지 코일 Type)	SPARK IGNITION Distributorless (고에너지 코일 Type)	COMPRESSION IGNITION
INTAKE SYSTEM		VIS (Variable Intake System)	TIS	VIS (Variable Intake System)	TURBO CHARGED
FUEL SYSTEM		MPI	GDI	GDI (Gasoline Direct Injection) +MPI (Multi Point Injection)'	CRDI (Common Rail Direct Injection)
EMISSION CONTROL SYSTEM		WCC+UCC	WCC + UCC	EURO-5 :WCC+UCC	LNT/DPF
ELECTRIC	ALTERNATOR	13.5V 120A	13.5V 130A	13.5V 150A	13.5V 150A
SYSTEM	STARTER	12V 1.2kW	12V 0.9kW	12V 1.2kW(Non ISG) 12v 1.4kW(ISG)	12V 2.0kW
ENGINE LUBRICANT OIL CAPACITY (ℓ)		4.3 (With Oil filter)	4.8 (With Oil filter)	5.8L(With Oil filter)	공칭주입량 6.1 / 오일교환량 5.6
COOLING CAPACITY (ℓ)		2.2 (Engine only)	3.1 (Engine only)	3.8 L (Engine only)	4.1 (Engine only)

## TRANSMISSION AND DRIVE SYSTEM

REGION		DOM (K1)					GENERAL / MIDDLE EAST (K2/K4)							
TYPE	Smartstream D2,0		Smartstream G1,6 T-GDi		Smartstream G1,6 T-GDi HEV	SmartstreamG2,0 MPI				Smartstream G1,6 T-GDi		Smartstream D2,0		
	2WD	4WD	2WD	4WD	2WD	2WD		4WD		2WD	4WD	2WD	4WD	
	A/T	A/T	DCT	DCT	A/T	M/T	A/T	M/T	A/T	DCT	DCT	A/T	A/T	
4WD DRIVE SYSTEM		-	ACTIVE ON-DEMAND 4WD	-	ACTIVE ON-DEMAND 4WD	-	-	-	ACTIVE ON-DEMAND 4WD	ACTIVE ON-DEMAND 4WD	-	ACTIVE ON-DEMAND 4WD	-	ACTIVE ON-DEMAND 4WD
GEAR RATIO	1 <sup>st</sup>	4.808	4.808	3.929	3.929	4.639	3.769	4.400	3.769	4.400	3.929	3.929	4.808	4.808
	2 <sup>nd</sup>	2.901	2.901	2.318	2.318	2.826	2.120	2.726	2.120	2.726	2.318	2.318	2.901	2.901
	3 <sup>rd</sup>	1.864	1.864	1.957	1.957	1.841	1.387	1.834	1.387	1.834	1.957	1.957	1.864	1.864
	4 <sup>th</sup>	1.424	1.424	1.023	1.023	1.386	1.079	1.392	1.079	1.392	1.023	1.023	1.424	1.424
	5 <sup>th</sup>	1.219	1.219	0.778	0.778	1.000	0.884	1.000	0.884	1.000	0.778	0.778	1.219	1.219
	6 <sup>th</sup>	1.000	1.000	0.837	0.837	0.772	0.756	0.774	0.756	0.774	0.837	0.837	1.000	1.000
	7 <sup>th</sup>	0.799	0.799	0.681	0.681	-	-	-	-	-	0.681	0.681	0.799	0.799
	8 <sup>th</sup>	0.648	0.648	-	-	-	-	-	-	-	-	-	0.648	0.648
REVERSE		3.425	3.425	5.304	5.304	3.385	3.727	3.440	3.727	3.440	5.304	5.304	3.425	3.425
FINAL GEAR RATIO		3.195	3.195	4.929/3.632	4.929/3.632	3.320	4.467 (1-6,R)	3.702	4.467 (1-6,R)	3.714	4.929/3.632	4.929/3.632	3.195	3.195
CLUTCH TYPE		Torque Converter	Torque Converter	건식 마찰 더블클러치	건식 마찰 더블클러치	E/C (Engine Clutch)	Dry Single clutch (Ø235x155)	Torque Converter	Dry Single clutch (Ø235x155)	Torque Converter	건식 마찰 더블클러치	건식 마찰 더블클러치	Torque Converter	Torque Converter
LUBRICANT OIL CAPACITY (ℓ)		7	7	1,6~1,7	1,6~1,7	6	1,5~1,6	6,7	1,5~1,6	6,7	1,6~1,7	1,6~1,7	7	7

## TRANSMISSION AND DRIVE SYSTEM

REGION		AUSTRALIA (K5)				NORTH AMERICA (K6/K7)			
TYPE		SmartstreamG2.0 MPI		Smartstream G1.6 T-GDi	Smartstream D2.0	Smartstream G2.5 GDI		Gammall 1.6T HEV	
		2WD		4WD	4WD	2WD	4WD	2WD	4WD
		M/T	A/T	DCT	A/T	A/T	A/T	A/T	A/T
4WD DRIVE SYSTEM		-	-	ACTIVE ON-DEMAND 4WD	ACTIVE ON-DEMAND 4WD	-	ACTIVE ON-DEMAND 4WD	-	-
GEAR RATIO	1 <sup>st</sup>	3.769	4.400	3.929	4.808	4.717	4.717	4.639	4.639
	2 <sup>nd</sup>	2.120	2.726	2.318	2.901	2.906	2.906	2.826	2.826
	3 <sup>rd</sup>	1.387	1.834	1.957	1.864	1.864	1.864	1.841	1.841
	4 <sup>th</sup>	1.079	1.392	1.023	1.424	1.423	1.423	1.386	1.386
	5 <sup>th</sup>	0.884	1.000	0.778	1.219	1.224	1.224	1.000	1.000
	6 <sup>th</sup>	0.756	0.774	0.837	1.000	1.000	1.000	0.772	0.772
	7 <sup>th</sup>	-	-	0.681	0.799	0.790	0.790	-	-
	8 <sup>th</sup>	-	-	-	0.648	0.635	0.635	-	-
REVERSE		3.727	3.440	5.304	3.425	3.239	3.239	3.385	3.385
FINAL GEAR RATIO		4.467 (1-6,R)	3.702	4.929/3.632	3.195	3.648	3.648	3.320	3.320
CLUTCH TYPE		Dry Single clutch (Φ235x155)	Torque Converter	건식 마찰 더블클러치	Torque Converter	Torque Converter	Torque Converter	E/C(Engine Clutch)	E/C(Engine Clutch)
LUBRICANT OIL CAPACITY (ℓ)		1.5-1.6	6.7	1.6-1.7	7	6.5	6.5	6,000	6,000

REGION		RUSSIA (K9)						
TYPE		SmartstreamG2.0 MPI				Smartstream G2.5 GDI		NEW R 2.0
		2WD		4WD		2WD	4WD	4WD
		M/T	A/T	M/T	A/T	A/T	A/T	A/T
4WD DRIVE SYSTEM		-	-	ACTIVE ON-DEMAND 4WD	ACTIVE ON-DEMAND 4WD	-	ACTIVE ON-DEMAND 4WD	ACTIVE ON-DEMAND 4WD
GEAR RATIO	1 <sup>st</sup>	3.769	4.400	3.769	4.400	4.717	4.717	4.808
	2 <sup>nd</sup>	2.120	2.726	2.120	2.726	2.906	2.906	2.901
	3 <sup>rd</sup>	1.387	1.834	1.387	1.834	1.864	1.864	1.864
	4 <sup>th</sup>	1.079	1.392	1.079	1.392	1.423	1.423	1.424
	5 <sup>th</sup>	0.884	1.000	0.884	1.000	1.224	1.224	1.219
	6 <sup>th</sup>	0.756	0.774	0.756	0.774	1.000	1.000	1.000
	7 <sup>th</sup>	-	-	-	-	0.790	0.790	0.799
	8 <sup>th</sup>	-	-	-	-	0.635	0.635	0.648
REVERSE		3.727	3.440	3.727	3.440	3.239	3.239	3.425
FINAL GEAR RATIO		4.467 (1-6,R)	3.702	4.467 (1-6,R)	3.714	3.648	3.648	3.195
CLUTCH TYPE		Dry Single clutch (Φ235x155)	Torque Converter	Dry Single clutch (Φ235x155)	Torque Converter	Torque Converter	Torque Converter	Torque Converter
LUBRICANT OIL CAPACITY (ℓ)		1.5-1.6	6.7	1.5-1.6	6.7	6.5	6.5	7





## WEIGHT

REGION		K2								K4									
TYPE		개선 NU 2.0 MPI				R2.0		GAMMA 1.6 T-GDI		GAMMA 1.6 T-GDI		개선 NU 2.0 MPI				R2.0			
		2WD	4WD	2WD	4WD	2WD	4WD	2WD	4WD	2WD	4WD	2WD	4WD	2WD	4WD	4WD			
		A/T		M/T		A/T	M/T	DCT	DCT	DCT	DCT	A/T		M/T		A/T			
		EURO 6/5/4/3/2				EURO 6/5/4/3/2		EURO 6/5/4/3/2		EURO 6D/5/4/3		EURO 6D/5/4/3				EURO 6D	EURO 5/4/3	EURO 6D	EURO 5/4/3
CURB WEIGHT (kg)	LIGHTEST	1,457	1,512	1,429	1,485	1,610	1,680	1,500	1,560	1,500	1,570	1,461	1,516	1,430	1,485	1,600	1,579	1,670	1,649
	HEAVIEST	1,571	1,625	1,545	1,598	1,739	1,811	1,639	1,699	1,639	1,709	1,574	1,629	1,544	1,596	1,730	1,709	1,800	1,779
PAYLOAD (kg)	LIGHTEST	479	480	480	482	461	479	481	481	481	481	481	481	481	479	485	486	485	486
	HEAVIEST	593	593	596	595	590	610	620	620	620	620	594	594	595	590	615	616	615	616
G.V.W (kg)		2,050	2,105	2,025	2,080	2,200	2,290	2,120	2,180	2,120	2,190	2,055	2,110	2,025	2,075	2,215	2,195	2,285	2,265
ROOF RACK LOAD (kg)		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
P.A.W. (kg)	FRONT	1,260	1,260	1,260	1,260	1,260	1,260	1,260	1,260	1,260	1,260	1,260	1,260	1,260	1,260	1,260	1,260	1,260	1,260
	REAR	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200
TRAILER WEIGHT (kg)	UNBRAKE	750	750	750	750	750	750	750	750	750	750	750	750	750	750	750	750	750	750
	BRAKE	1,650	1,650	1,900	1,900	1,900	1,900	1,650	1,650	1,650	1,650	1,650	1,650	1,900	1,900	1,900	1,900	1,900	1,900

REGION		K5				K6			K7				A7		K9							
TYPE		개선 NU 2.0 MPI		R2.0	GAMMA 1.6 T	THETA 2.5		GAMMA 1.6 T	THETA 2.5		GAMMA 1.6 T		THETA 2.5		THETA 2.5	THETA 2.5	개선 NU 2.0 MPI			R2.0		
		2WD	4WD	4WD	4WD	2WD	4WD	4WD	2WD	4WD	4WD	4WD	2WD	4WD	2WD	2WD	4WD	2WD	4WD	4WD		
		A/T		A/T	A/T	DCT	A/T	A/T	A/T (HEV)	A/T	A/T	A/T (HEV)	A/T (PHEV)	A/T	A/T	A/T	A/T	A/T	A/T	M/T	M/T	A/T
		EURO 5		EURO 5	EURO 5	EURO 5										EURO 5	EURO 5	EURO 5	EURO 5	EURO 5	EURO 5	
CURB WEIGHT (kg)	LIGHTEST	1,428	1,458	1,680	1,560	1,515	1,573	1,690	1,510	1,568	1,653		1,510	1,568	1,552	1,461	1,516	1,430	1,485	1,670		
	HEAVIEST	1,530	1,560	1,810	1,689	1,635	1,693	1,735	1,635	1,693	1,735		1,635	1,693	1,693	1,577	1,632	1,544	1,599	1,811		
PAYLOAD (kg)	LIGHTEST	500	500	479	501	465	467	470	465	467	2,205	0	465	467	482	478	478	481	481	479		
	HEAVIEST	602	602	620	630	585	587	515	590	592	515	0	590	592	623	594	594	595	595	620		
G.V.W (kg)		2,030	2,060	2,315	2,190	2,100	2,160	2,205	2,100	2,160	2,205		2,100	2,160	2,175	2,055	2,110	2,025	2,080	2,290		
ROOF RACK LOAD (kg)		100	100	100	100	100	100	100	100	100	100		100	100	100	100	100	100	100	100		
P.A.W. (kg)	FRONT	1,260	1,260	1,260	1,260	1,260	1,260	1,260	1,260	1,260	1,260		1,260	1,260	1,260	1,260	1,260	1,260	1,260	1,260		
	REAR	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200		1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200		
TRAILER WEIGHT (kg)	UNBRAKE	750	750	750	750	750	750	750	750	750	750		750	750	750	750	750	750	750	750		
	BRAKE	1,900	1,650	1,900	1,650	1,588	1,588	1,588	1,588	1,588	1,588		1,588	1,588	1,650	1,650	1,650	1,900	1,900	1,900		

**DIMENSION**

REGION			GENERAL (K2)/MIDDLE EAST (K3)/AUSTRALIA (K5)/RUSSIA (K9)
EXTERIOR (mm)	O.A.L		4,630
	O.A.W		1,865
	O.A.H (ROOF RACK)		1,665
	WHEELBASE		2,755
	WHEEL TREAD	FRONT (17"/18"/19")	1620/1615/1615
		REAR (17"/18"/19")	1627/1622/1622
	OVER HANG	FRONT	895
REAR		980	
INTERIOR (mm)	HEAD ROOM (w/o /w Sunroof)	1 <sup>st</sup> ROW	1,019 / 968
		2 <sup>nd</sup> ROW	1,002 / 990
	LEG ROOM	1 <sup>st</sup> ROW	1,052
		2 <sup>nd</sup> ROW	1,050
	SHOULDER ROOM	1 <sup>st</sup> ROW	1,464
		2 <sup>nd</sup> ROW	1,422
	HIP ROOM	1 <sup>st</sup> ROW	1,385
		2 <sup>nd</sup> ROW	1,369
GROUND CLEARANCE (mm)			181
CARGO AREA (ℓ)	VDA	MIN	GASOLINE-FULL: 539 / GASOLINE-Tempo: 582 / DIESEL-Tempo: 540
		MAX	GASOLINE-FULL: 1,860 / GASOLINE-Tempo: 1,903 / DIESEL-Tempo: 1,861

REGION			NORTH AMERICA (K6/K7)
EXTERIOR (mm)	O.A.L		4,630
	O.A.W		1,865
	O.A.H (ROOF RACK)		2WD : 1,665 / 4WD LDT : 1685
	WHEELBASE		2,755
	WHEEL TREAD	FRONT (17"/18"/19")	1,620 / 1,615 / 1,615
		REAR (17"/18"/19")	1,627 / 1,622 / 1,622
	OVER HANG	FRONT	895
REAR		980	
INTERIOR (mm)	HEAD ROOM (w/o /w Sunroof)	1 <sup>st</sup> ROW	1,019 / 968(Panoramic Sunroof) / 974(Sunroof)
		2 <sup>nd</sup> ROW	내연기관 : 1,002 / 990(Panoramic Sunroof) / 1,002(Sunroof)
	LEG ROOM	1 <sup>st</sup> ROW	1,052
		2 <sup>nd</sup> ROW	내연기관 / HEV : 1,050, PHEV : 1,004
	SHOULDER ROOM	1 <sup>st</sup> ROW	1,464
		2 <sup>nd</sup> ROW	1,422
	HIP ROOM	1 <sup>st</sup> ROW	1,385
		2 <sup>nd</sup> ROW	1,369
GROUND CLEARANCE (mm)			2WD : 181 / 4WD LDT : 210
CARGO AREA (ℓ)	SAE	BEHIND 1 <sup>st</sup> ROW	내연기관 : 74.8(보드하향), 70.4(보드 기본위치) / HEV : 74.5(보드하향), 66.2(보드 기본위치) / PHEV : 66.3
		BEHIND 2 <sup>nd</sup> ROW	내연기관: 38.7(보드하향), 35.9(보드 기본위치) / HEV : 38.7(보드하향), 33.7(보드 기본위치) / PHEV : 31.9



## STEERING / BRAKE / SUSPENSION

REGION			NEW TUCSON			
STEERING	TYPE		C-MDPS			
	STEERING WHEEL		4-SPOKE			
	OVERALL STEERING GEAR RATIO		13,7			
	STEERING WHEEL (Lock to Lock)		2,41			
	MIN. TURNING RADIUS (m)		5,9 ± 0,2			
WHEEL & TIRE	WHEEL		STEEL	ALLOY		
			7,0J X 17"	7,0J X 17"	7,5J X 18"	7,5J X 19"
	TIRE		235/65R17	235/65R17	235/60R18	235/55R19
SPARE TIRE		Full Size, Temporary (T135/90D17), TMK (DOM)				
4WD SYSTEM	TYPE		ACTIVE ON-DEMAND 4WD			
	TORQUE DISTRIBUTION (FRT : RR)	COMFORT/ECO/SPORT	100 : 0 ~ 50 : 50			
		SNOW/MUD/SAND/LOCK	80 : 20 ~ 50 : 50 50 : 50			
AERO DRAG	Cd		0,332 (2,63m <sup>3</sup> )			
BRAKE	GENERAL		FRT/RR DISC TYPE			
	FRONT BRAKE TYPE	2WD	NX4(GEN / AUS / RUS): 16"DISC (Φ305x25t)			
		4WD	NX4(DOMESTIC / US), NX4a : 17"DISC (Φ325x30t)			
	REAR BRAKE TYPE	WITH ABS	16"DISC (Φ300x10t)			
	VACUUM BOOSTER	D/T	11" SINGLE(LHD), 8+8" TANDEM(RHD)			
		DIAMETER	Max.Φ291(LHD), Max.Φ230(RHD)			
		BOOSTING RATIO	NEW TUCSON (DOMESTIC/GEN / AUS /RUS) 10,5 : 1 NEW TUCSON (US), NEW TUCSONa 9 : 1			
	MASTER CYLINDER	TYPE	FIXED TYPE			
		DIAMETER	Φ22,22 (LHD), Φ23,8 (RHD)			
	PARKING BRAKE	M/T	HAND TYPE			
A/T		FOOT TYPE, EPB				
ABS		STANDARD				
SUSPENSION	SUSPENSION	FRONT	Macpherson Strut Type			
		REAR	Multi Link Type			
	SHOCK ABSORBER	FRONT	Strut Type (Gas)			
		REAR	Shock Absorber Type (Gas)			

# TUCSON

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※ Details may vary depending on sales market and body type.

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